

Fernald Environmental



Restoration Management Corporation

(now renamed Fluor Daniel Fernald)

P. O. Box 538704 Cincinnati, Ohio 45253-8704 (513) 648-3000

February 28, 1997

Fernald Environmental Management Project
Letter No. C:OPI(EC):97-0003Ms. Michele Willis, P.E.
Chief, Division of Water
Ohio Department of Natural Resources
Water Resources Section
1939 Fountain Square Court, Bldg. E-1
Columbus, Ohio 43224-1336

Dear Ms. Willis:

**1996 OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR) ANNUAL WATER
WITHDRAWAL REPORT - FERNALD ENVIRONMENTAL MANAGEMENT PROJECT (FEMP)**

The enclosed copy of ODNR Form 7804 comprises the 1996 FEMP Annual Water Withdrawal Report. The total FEMP groundwater withdrawal for calendar year 1996 was 570.936 million gallons. Return flow for the period was calculated at 570.936 million gallons withdrawal. Withdrawals for 1996 were significantly lower than those reported in 1995 (828.570 million gallons) due to the shutdown of Wells 1 through 3 in February, 1996. These wells were shutdown as a result of the site's tie-in to the city of Cincinnati's potable water supply distribution system.

If you have any questions concerning this report, please contact Doug Abbott at (513) 648-5287.

Sincerely,

A handwritten signature in cursive script that reads "Tom Walsh".

Tom Walsh
Manager
Environmental ComplianceTJW:DJA:jes
Enclosure

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Ms. Michele Willis, P.E.
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- c: File Record Storage Copy 106.4.32.6
 D. J. Abbott, FDF, MS52-2
 E. H. Henry, FDF, MS52-5
 F. L. Johnston, FDF, MS52-2
 L. E. Parson, DOE Contract Specialist, MS45
 E. P. Skintik, DOE-FEMP, MS45

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STATE OF OHIO WATER WITHDRAWAL FACILITY REGISTRATION ANNUAL REPORT FORM

SEND TO: OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER
WATER RESOURCES SECTION
1939 FOUNTAIN SQUARE COURT, BLDG. E-1
COLUMBUS, OHIO 43224-1336
(614) 265-6735

AUTHORITY: Ohio Revised Code Section 1521.16 requires that any owner of a facility, or combination of facilities, with the capacity to withdraw more than 100,000 gallons of water daily, register such facilities and file an annual report with the Ohio Department of Natural Resources, Division of Water.

INSTRUCTIONS

WATER WITHDRAWAL FACILITY

Provide the name of the owner of the facility. In the case of a public water supply system or other government operated facility, furnish the name of the municipality or agency. If there is an employee or representative of the owner who should be contacted regarding the information on the registration form, his or her name, address, and phone number should be furnished in the space marked "Contact Person."

Facility Registration Number: Record the REGISTRATION NUMBER of the facility as found on the facility registration confirmation. If you do not know the number, contact the Division of Water at 614/265-6735.

Indicate the appropriate calendar year which corresponds with the information you provide on the back of this form.

WITHDRAWALS

Report the amounts withdrawn in units of millions of gallons. Round the number to two decimal places. For example, 7,635,730 gallons per day would round to 7.64 million gallons per day (MGD). **NOTE:** The second page of this form may be photocopied if additional space is needed. If you use additional sheets, sign and date each one.

GROUND WATER

Report the well identification number. This is the number that you assign to a well.

Report the monthly withdrawals for each well. Sum all values for each well and enter that amount under "Total Per Year." Sum all "Total Per Year" amounts and enter that amount under "Grand Total." Sum each month's withdrawal and enter that amount under "Total." Enter the daily maximum and the daily minimum amounts withdrawn for each month under "Maximum" and "Minimum." For the "Minimum" enter zero (0) if no water was withdrawn during any day of the month. Report the number of days per month the facility wells were in operation and enter that figure under "Days in Operation." Sum each month's number of days in operation and enter the amount under "Total Operation Days." If you do not have meters on your wells, estimate to the best of your ability!

SURFACE WATER

Report the intake identification number. This is the number that you assign to an intake.

Report the monthly withdrawals for each intake. Sum all months for each intake and enter that amount under "Total Per Year." Sum all "Total Per Year" amounts and enter that amount under "Grand Total." Sum each month's withdrawal and enter that figure under "Total." Enter the daily maximum and the daily minimum amounts withdrawn for each month under "Maximum" and "Minimum." For the "Minimum" enter zero (0) if no water was withdrawn during any day of the month. Report the number of days per month the facility intakes were in operation and enter that amount under "Days in Operation." Sum each month's number of days in operation and enter the amount under "Total Operation Days." If you do not have meters on your intakes, estimate to the best of your ability!

Indicate whether surface water or ground water withdrawal amounts are based on metered readings. If not, explain how withdrawal amounts were determined.

RETURN FLOW

Return flow is that portion of withdrawn water which is not consumed or lost to evapotranspiration during use and is returned to some source. Water used for crop and golf course irrigation is presumed to be 100% consumed. It is not considered to involve a discharge or return of water to some source.

Report the amounts of return flow in units of millions of gallons. Report the monthly flow returns for each source. Sum all return flow values and enter that amount under "Total Per Year." Sum all "Total Per Year" amounts and enter that amount under "Grand Total." Sum each month's return flow and enter that amount under "Total." If you do not have meters on your return flows, estimate to the best of your ability!

Indicate whether return flow amounts are based on metered readings. If not, explain how return flow amounts were determined.

NOTE: Indicate whether the information originally supplied on the registration form is still correct. If not, attach a separate sheet indicating the nature of any changes. If needed, a new registration form will be forwarded to you so that you may provide this office with the necessary revisions.

Please be sure to sign and date the annual report form. If you use additional sheets, sign and date each one. All the information should be accurate to the best of your knowledge. If the form is not complete, staff from the Division of Water will contact you for more information. The requirement to submit the annual report will not be met until the completed form is received by the Division of Water. The annual report MUST be submitted even if no water was withdrawn. Reports MUST be received by March 1 of the next calendar year. If you have any questions, contact the Division of Water at 614/265-6735.

Please type or print the following information:

WATER WITHDRAWAL FACILITY			
Owner's Name	Phone no.	Contact Person (If other than owner)	Phone no.
U.S. Department of Energy	(513) 648-3000	Douglas J. Abbott	(513) 648-528
Company Name		Company Name	
Fernald Environmental Management Project		Fluor Daniel Fernald	
Mailing Address		Mailing Address	
P. O. Box 538705		P.O. Box 538704	
City, State, Zip		City, State, Zip	
Cincinnati, OH 45253-8705		Cincinnati, OH 45253-8704	
Facility Registration Number		Water Withdrawal Report for Year Ending December 31, 1996	
01573			

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NOTE: This page may be photocopied if additional space is required. Please be sure to sign and date each copy.

WITHDRAWALS

Registration Number 01573

GROUND WATER (in Units of Millions of Gallons)

SOURCE DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL PER YEAR
WELL NO. 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WELL NO. 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WELL NO. 3	10.725	5.679	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	15.404
AW-11AW-2	0.657	1.055	1.662	1.623	1.314	1.634	2.144	1.928	1.256	1.632	1.709	1.777	18.387
WELL NO. RW-1	11.700	10.500	13.500	8.600	5.700	7.500	9.395	7.248	10.744	13.204	9.547	12.211	119.849
WELL NO. RW-2	13.600	11.400	13.600	13.000	8.600	10.400	11.697	6.065	10.181	11.561	11.122	11.137	132.362
WELL NO. RW-3	17.400	18.200	24.700	21.100	0.000	0.000	0.000	0.000	0.000	0.000	1.587	17.618	100.605
WELL NO. RW-4	18.100	16.900	18.100	11.000	16.500	12.400	19.688	20.702	17.159	20.181	12.599	0.000	183.329
WELL NO. RW-5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WELL NO. - -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- - -
TOTAL	72.182	63.734	71.561	55.323	32.113	31.933	42.924	35.924	39.340	46.577	36.564	42.743	GRAND TOTAL 570.936
MAXIMUM	2.110	2.284	2.352	2.326	1.616	1.616	1.721	1.799	1.632	1.574	1.494	1.447	
MINIMUM	1.630	1.643	2.222	0.435	0.000	0.000	0.000	0.160	0.000	1.293	0.712	0.916	
DAYS IN OPERATION	31	29	31	30	31	30	31	31	30	31	30	31	TOTAL OPERATION DAYS 366

SURFACE WATER (in Units of Millions of Gallons) - N/A

SOURCE DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL PER YEAR
INTAKE													
INTAKE													
INTAKE													
TOTAL													GRAND TOTAL
MAXIMUM													
MINIMUM													
DAYS IN OPERATION													TOTAL OPERATION DAY:

Are surface water and ground water withdrawal amounts based on metered readings? ☒ yes ☐ no (circle one) If "no," how were the reported withdrawal amounts determined? (Attach separate sheet, if necessary)

RETURN FLOW (in Units of Millions of Gallons)

SOURCE DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL PER YEAR
FLOW	72.182	63.734	71.561	55.323	32.113	31.933	42.924	35.924	39.340	46.577	36.564	42.743	570.936
FLOW	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- - -
TOTAL	72.182	63.734	71.561	55.323	32.113	31.933	42.924	35.924	39.340	46.577	36.564	42.743	GRAND TOTAL 570.936

Are return flow amounts based on metered readings? ☒ yes ☐ no (circle one) If "no," how were the reported return flow amounts determined? (Attach separate sheet, if necessary) See Attached Sheet

NOTE: Is the information originally supplied on your registration form still correct? ☒ yes ☐ no (circle one)
If "no," please attach a separate sheet indicating the nature of the change. If needed, a new registration form will be forwarded to you so that you may provide this office with the necessary revisions.

Owner or authorized representative's signature

W. A. H. A. L.

Date

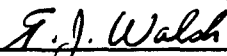
2/28/97

ATTACHMENT A

ANNUAL FEMP WATER WITHDRAWAL REPORT
CY-1996

Facility Number: 01573

Return flows are not directly metered at the FEMP. For purposes of this report, return flow was assumed to equal total groundwater withdrawals from site production and CERCLA recovery wells. A portion of the groundwater pumped from the CERCLA recovery wells was treated prior to discharge to the Great Miami River in support of site remediation goals.



Owner/Authorized Individual Signature

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